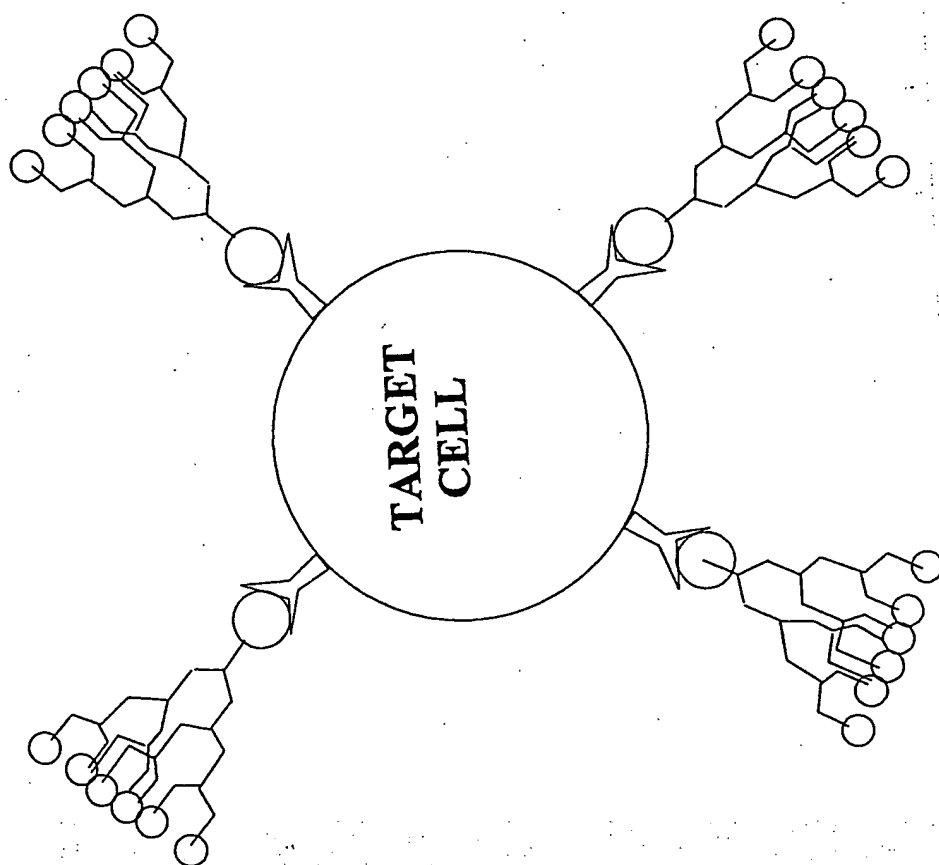
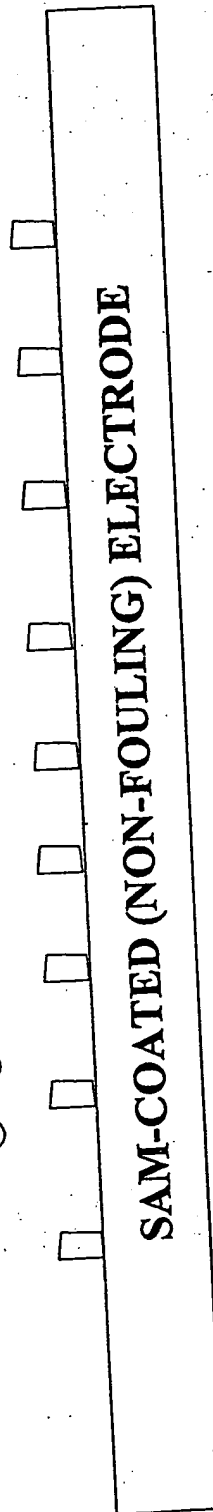
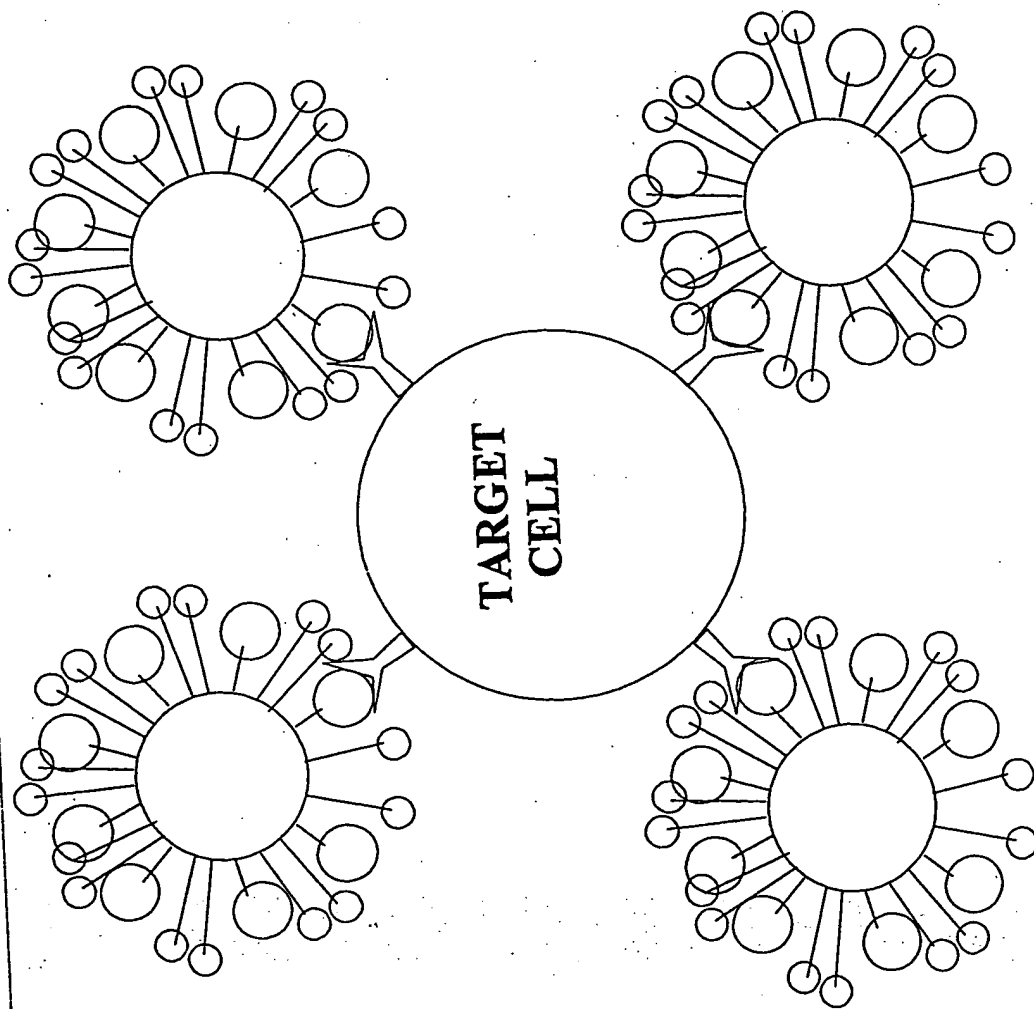


00E290" 8/20960



SAM-COATED (NON-FOULING) ELECTRODE



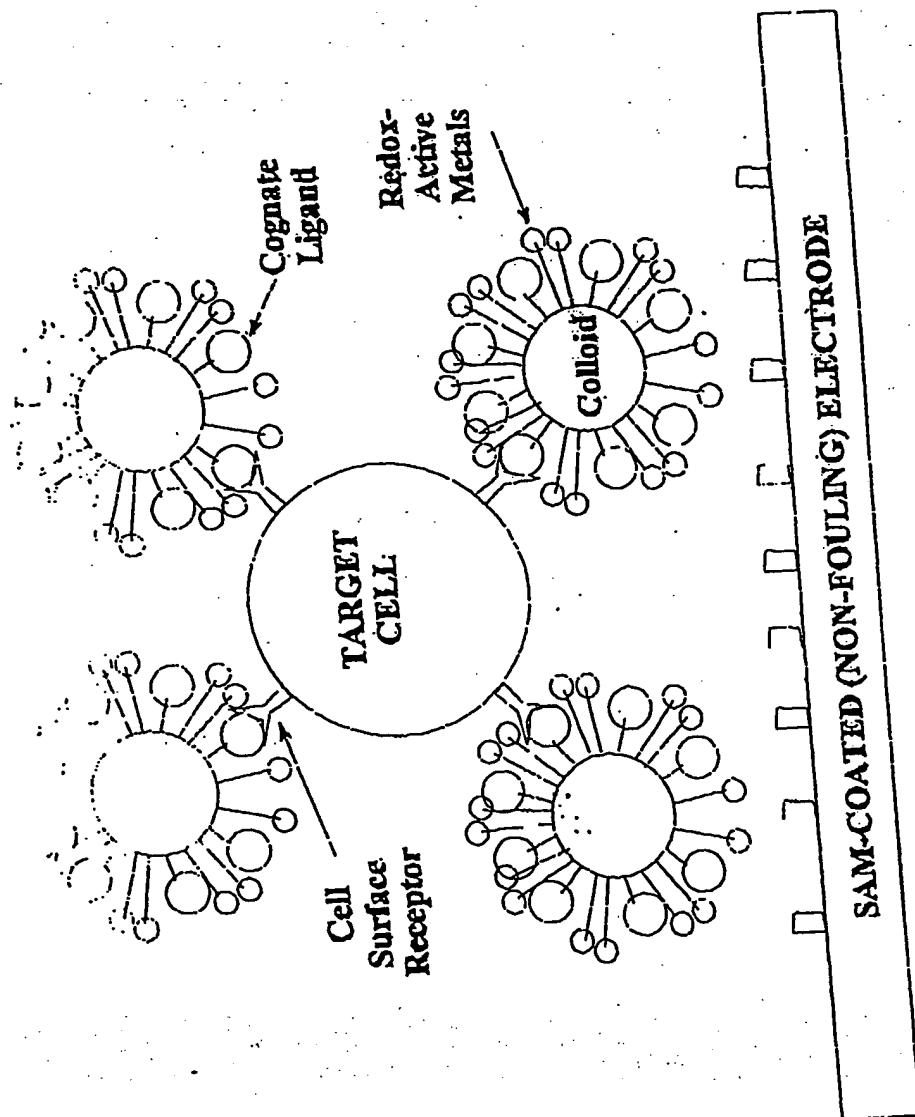


Figure 3

REF.

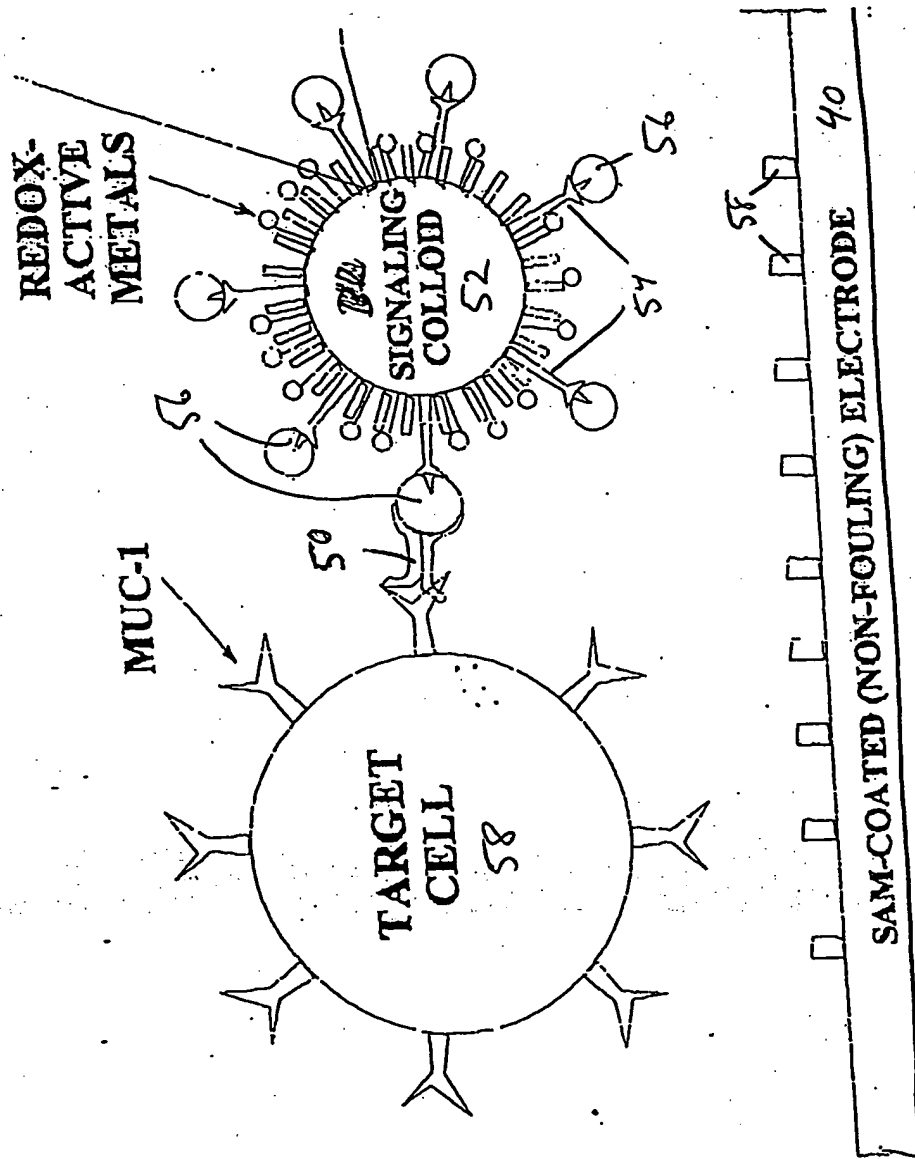


Figure 4

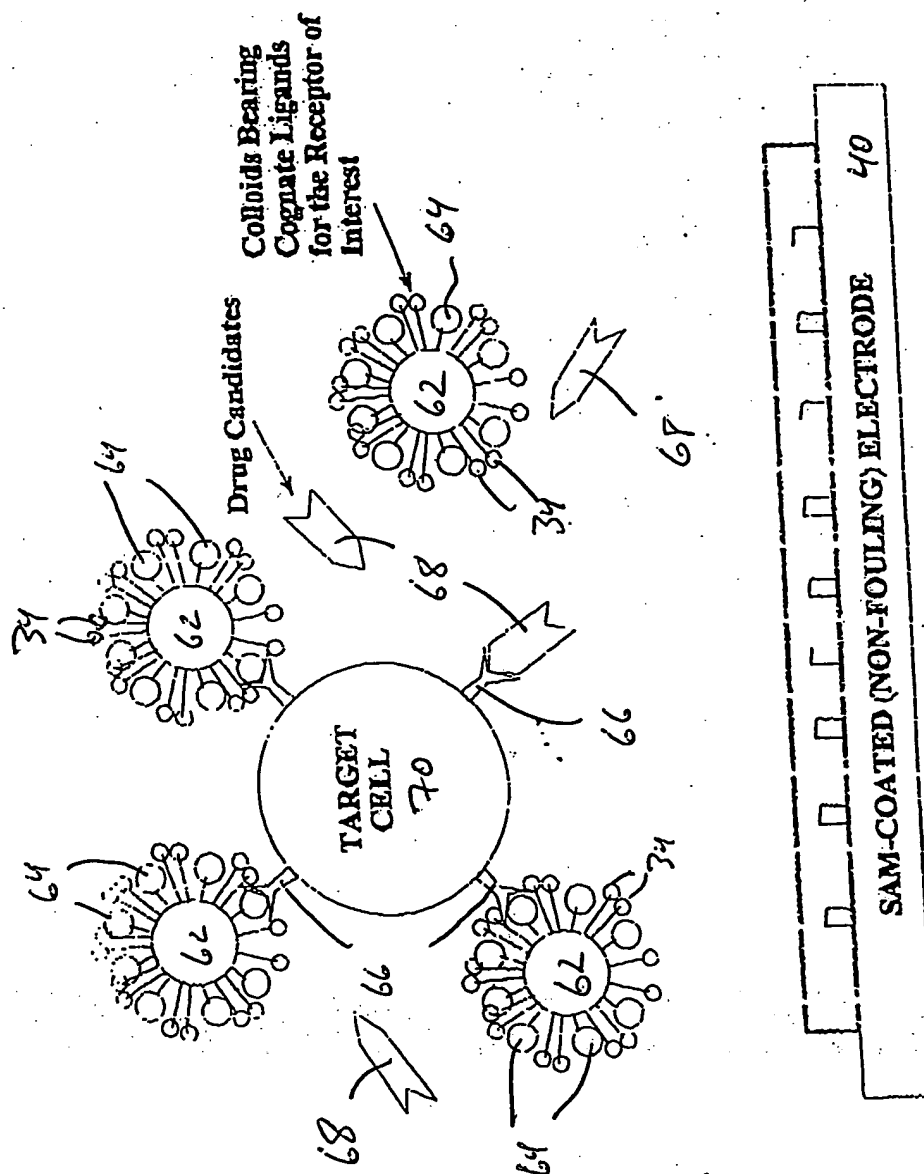


Figure 5

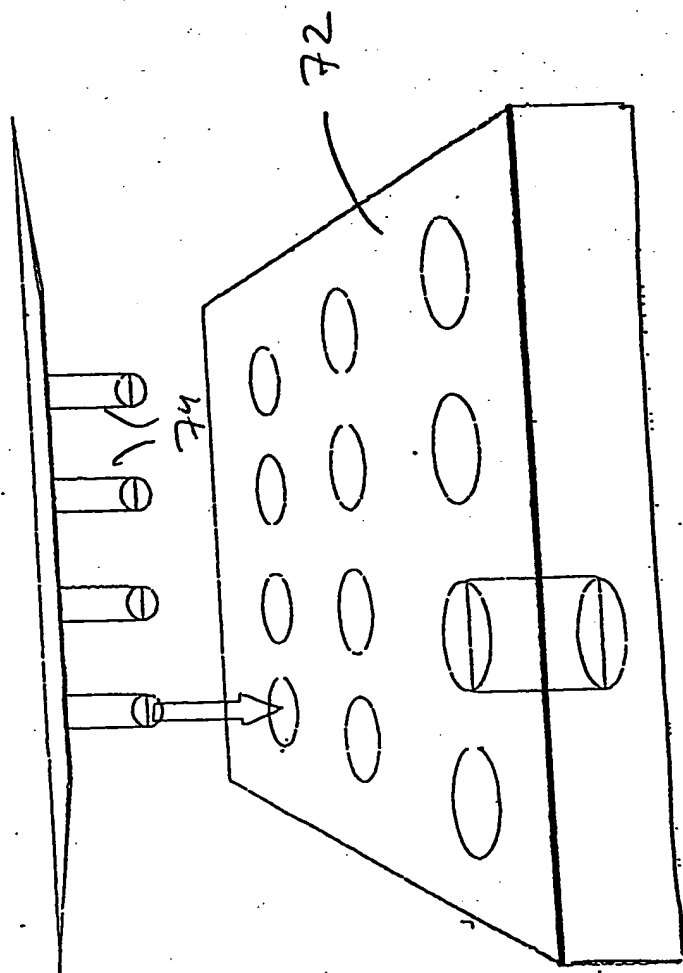


Figure 6

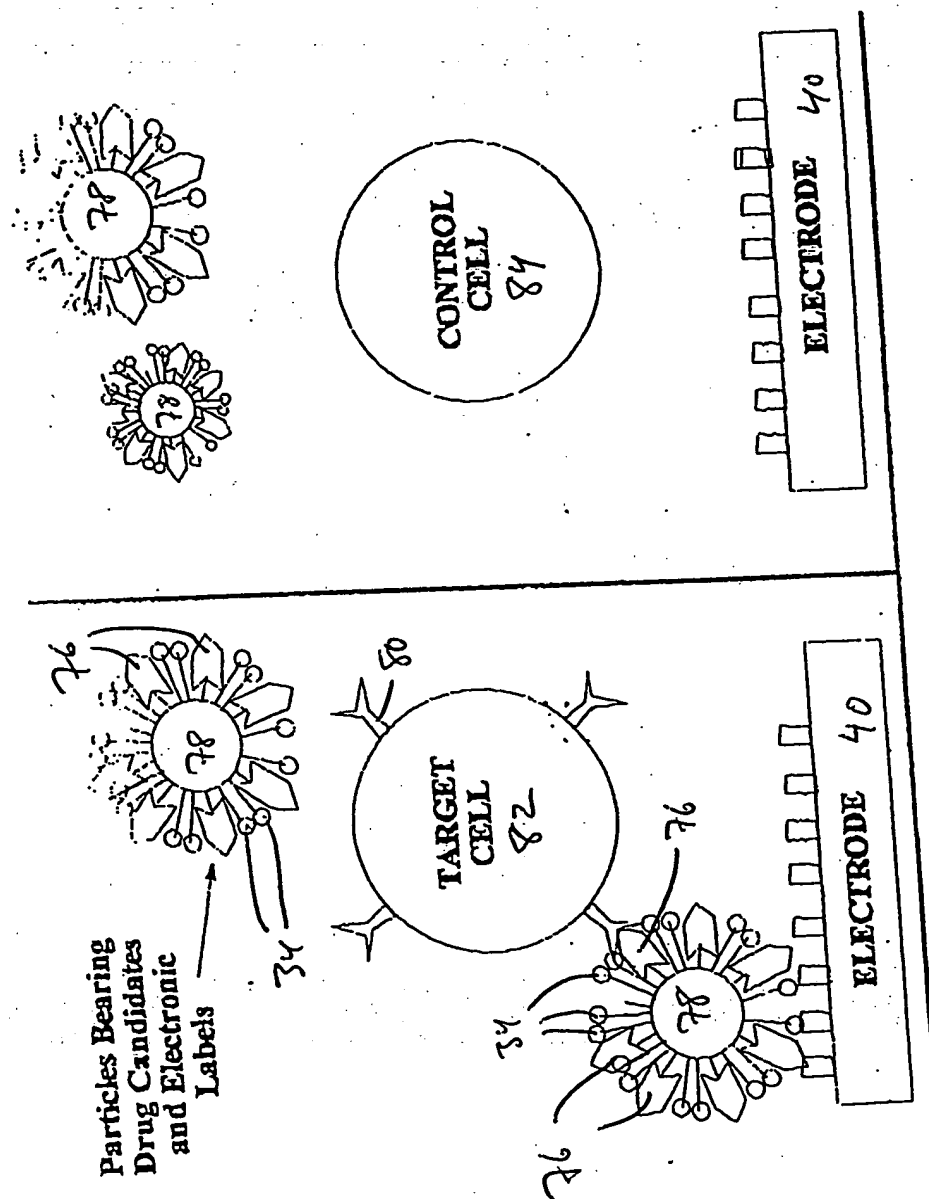


Figure 7





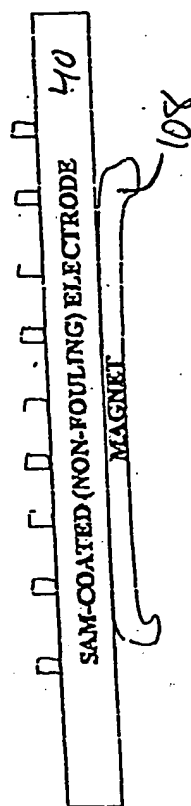
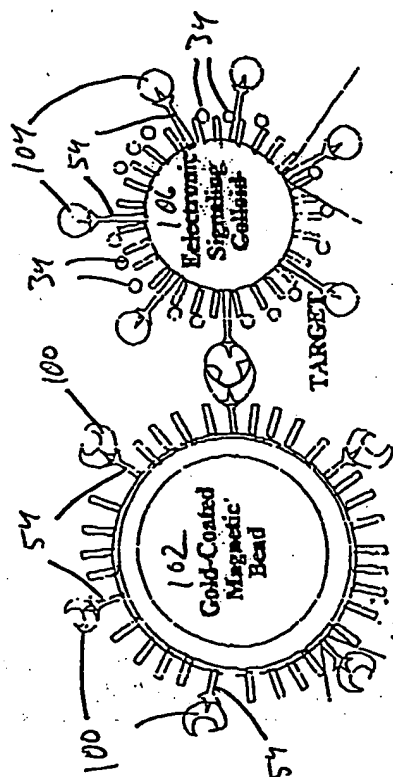
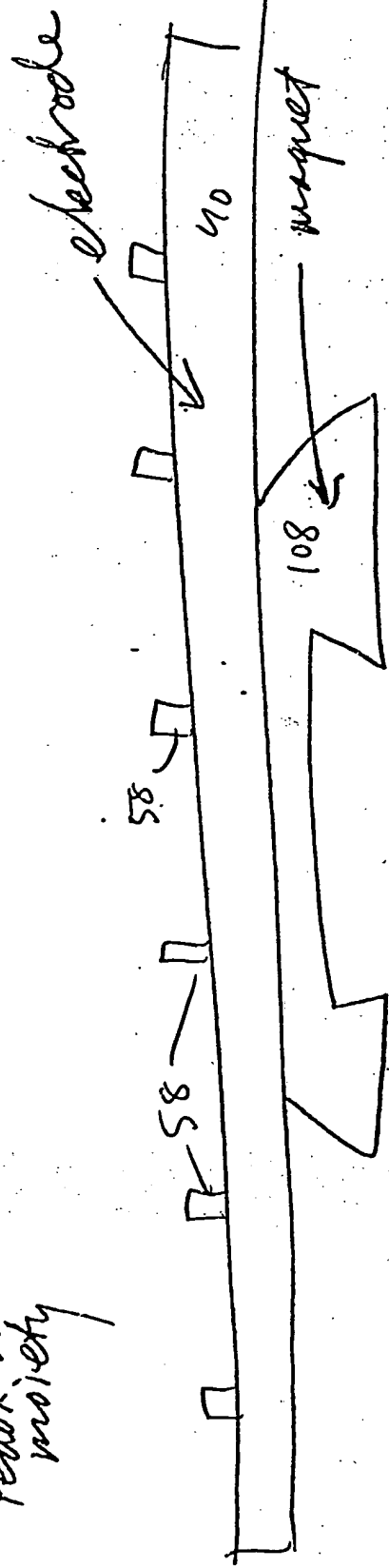
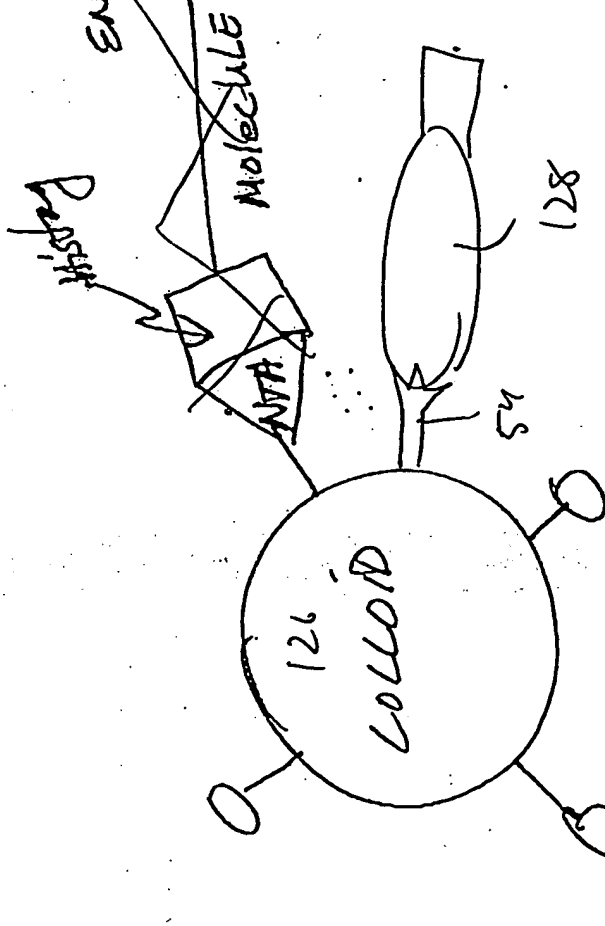
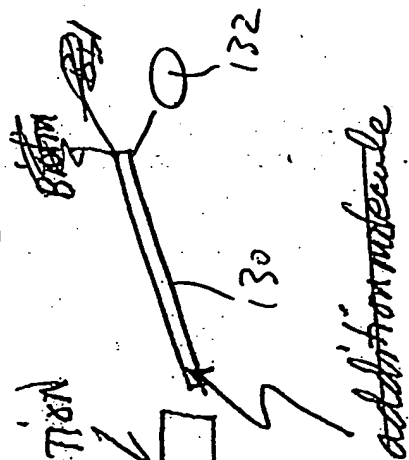
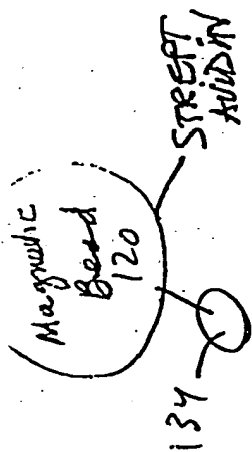
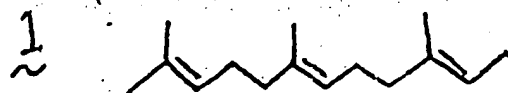


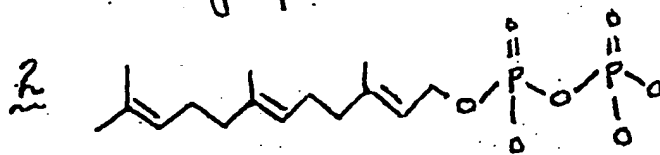
Figure 9



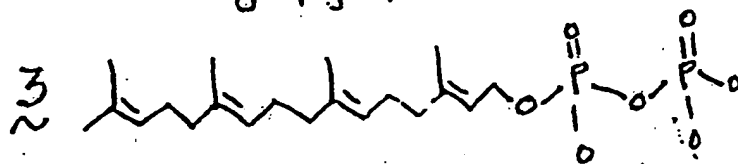




Farnesyl group



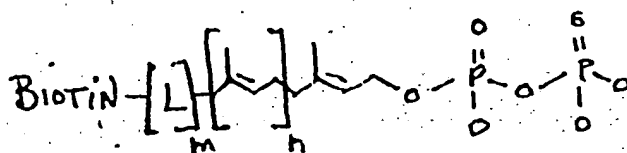
farnesyl pyrophosphate



geranylgeranyl pyrophosphate

Figure 12

a)

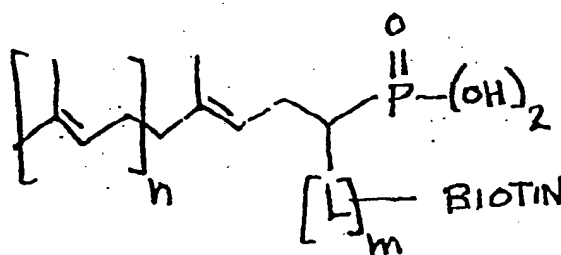


$$n = 0-10$$

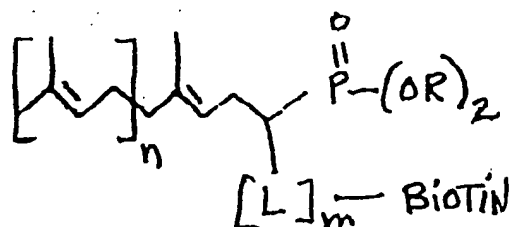
$L = \text{Linker}$

$$m = 0-10$$

b)



c)



d)

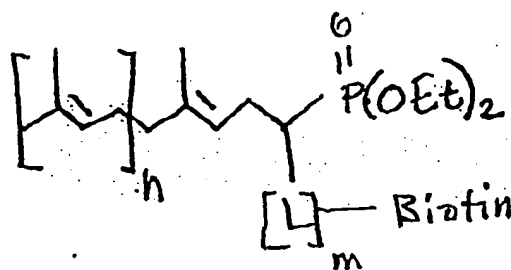


Figure 13

000290" B220960

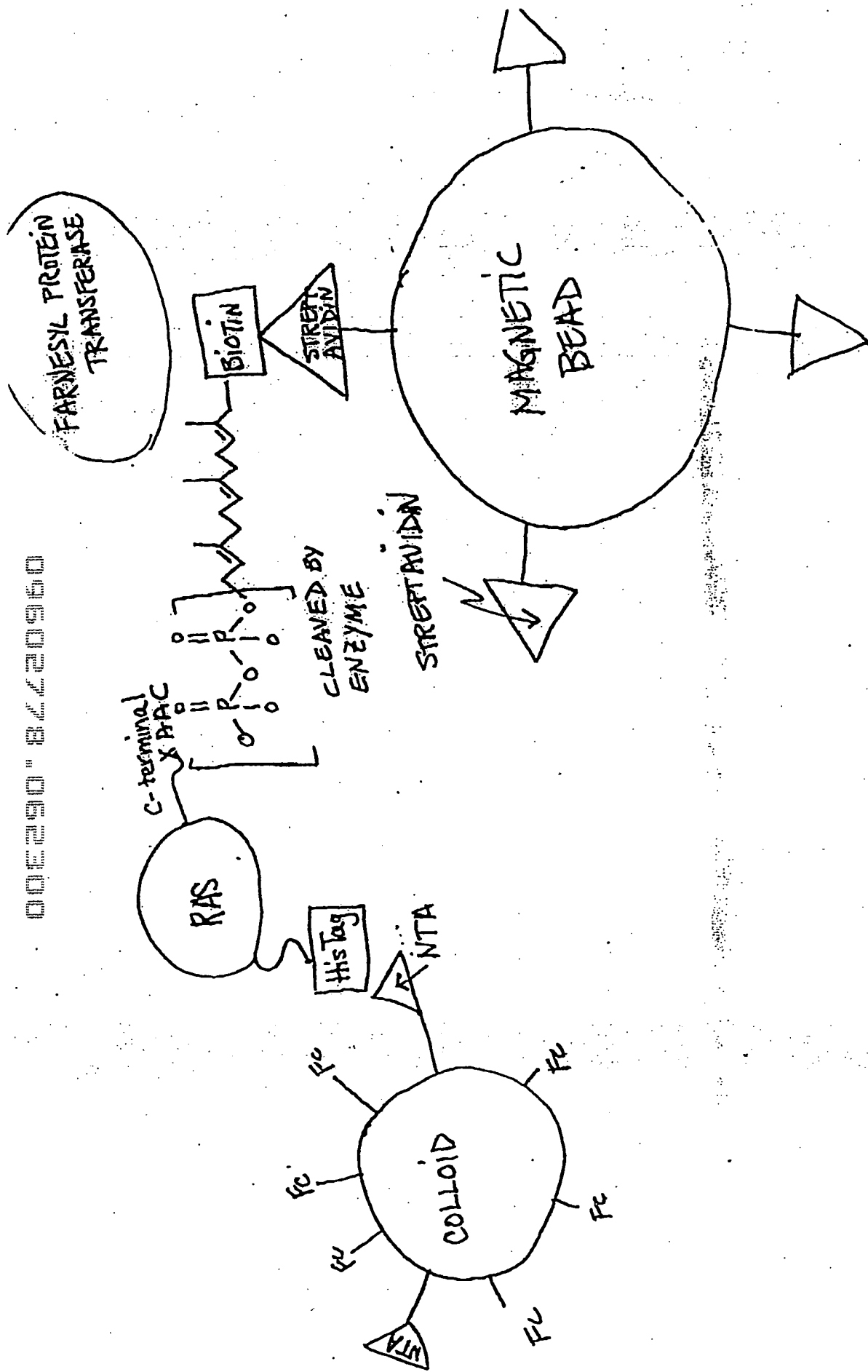


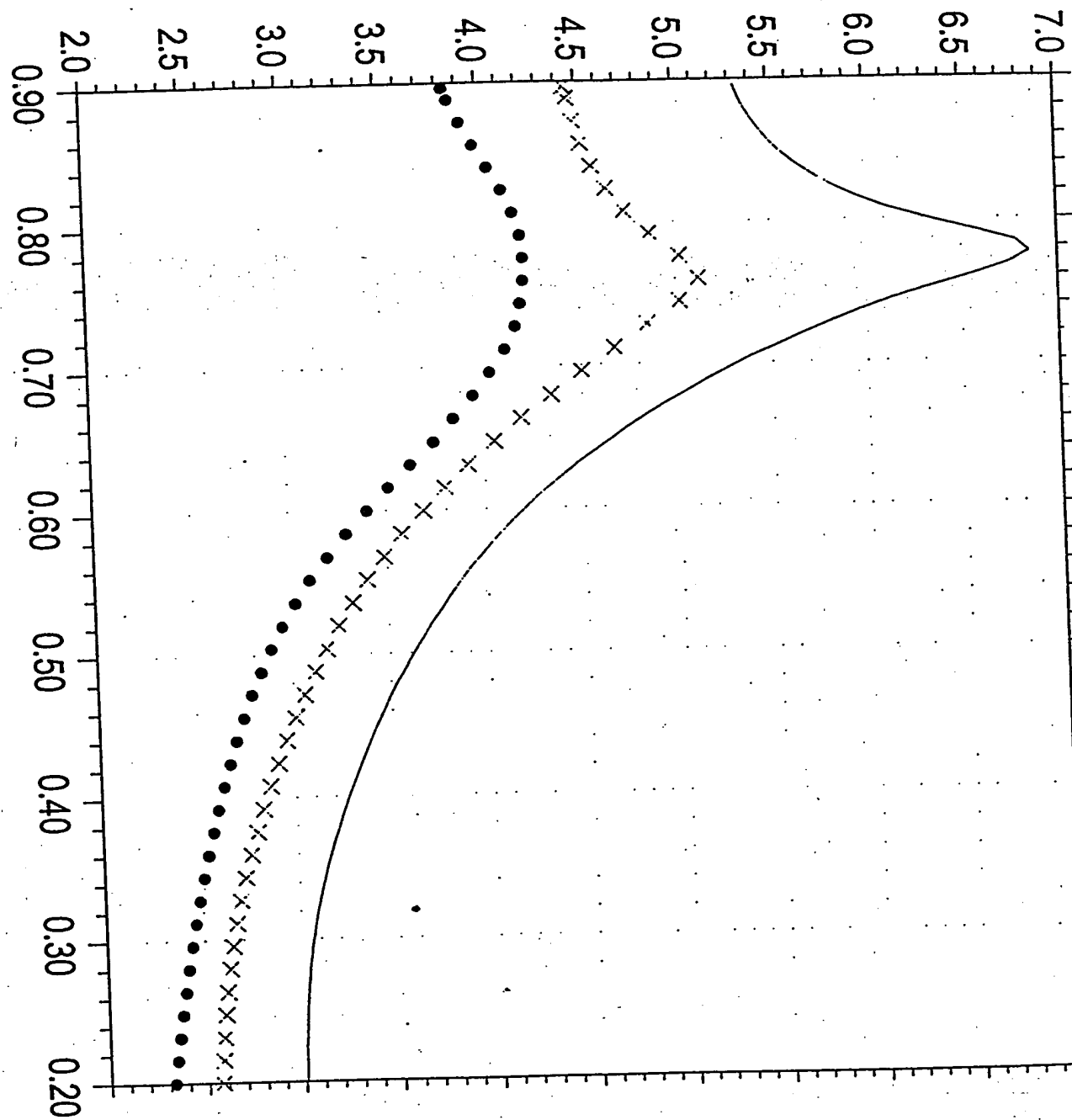
Figure 14



Init E (V) = 0  
Final E (V) = 0.9  
Incr E (V) = 0.008  
Amplitude (V) = 0.025  
Frequency (Hz) = 10  
Sample Period (s) = 1  
Quiet Time (s) = 2  
Sensitivity (A/V) = 2e-6

- cb038\_011.bin
- × cb038\_012.bin
- cb038\_013.bin

# AC Current / 1e-6A



Potential / V

Fig. 16

09602778.052300

Fig. 16



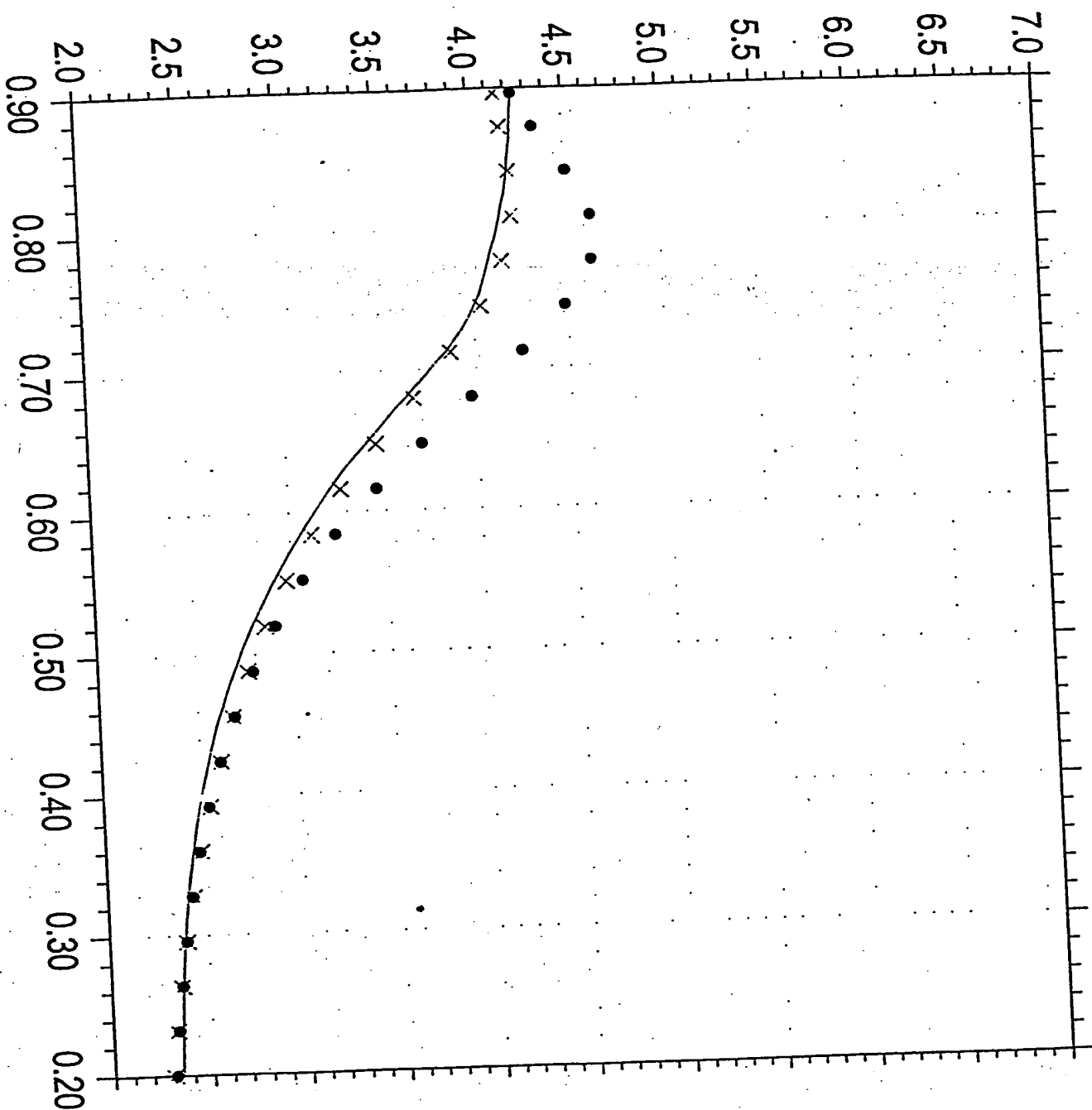
Sept. 28, 1999 22.22.11

Tech: ACV

File: cb038\_014.bin

Init E (V) = 0  
Final E (V) = 0.9  
Incr E (V) = 0.008  
Amplitude (V) = 0.025  
Frequency (Hz) = 10  
Sample Period (s) = 1  
Quiet Time (s) = 2  
Sensitivity (A/V) = 2e-6

● cb038\_014.bin  
× cb038\_015.bin  
— cb038\_016.bin



Potential / V

AC Current /  $10^{-6}$  A

0360277B.062300

Fig 17

Fig 17

INVECO

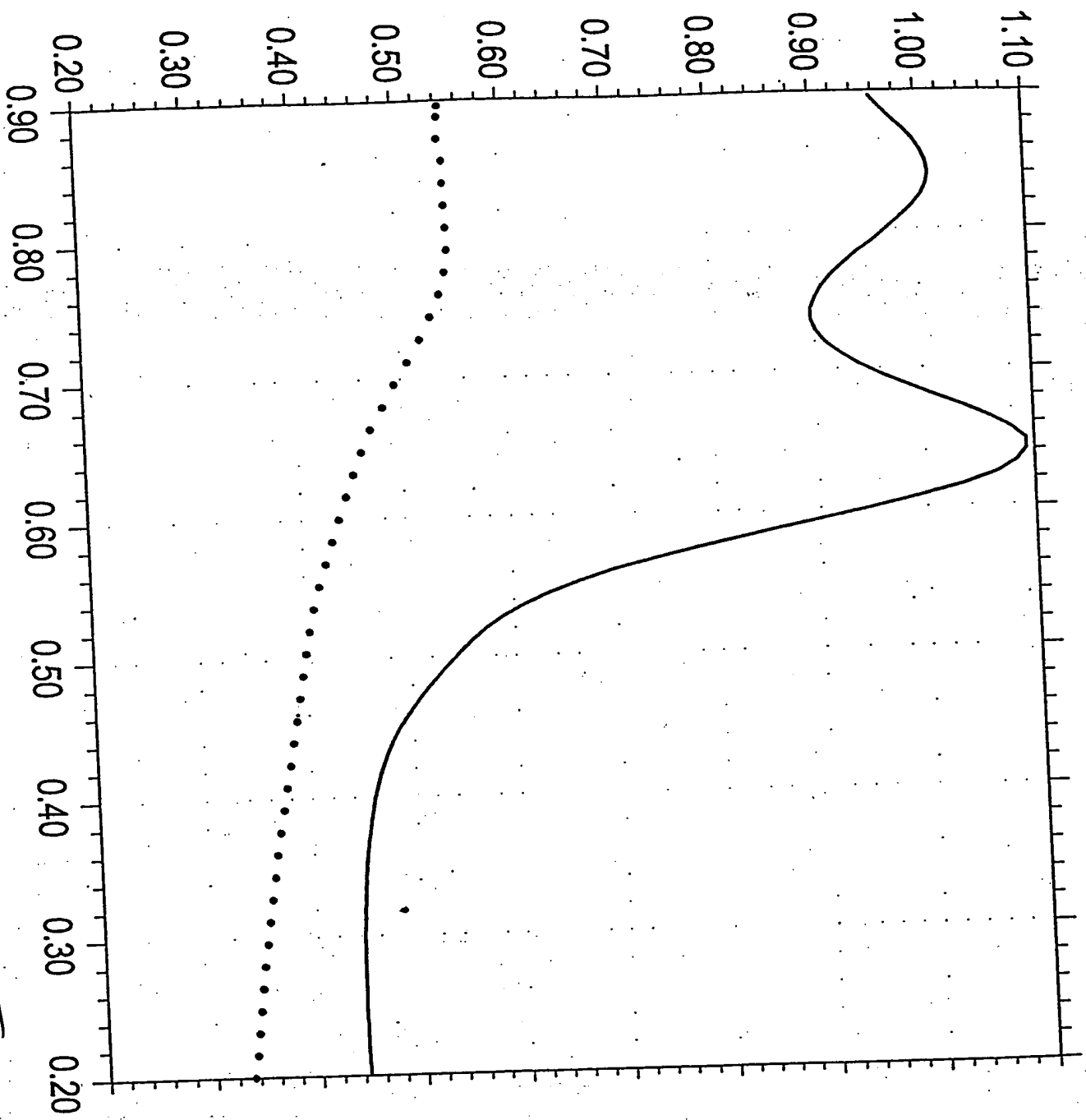
Oct. 5, 1999 16:34:32

Tech: ACV

File: cb042\_002.bin

Init E (V) = 0  
Final E (V) = 0.9  
Incr E (V) = 0.008  
Amplitude (V) = 0.025  
Frequency (Hz) = 10  
Sample Period (s) = 1  
Quiet Time (s) = 2  
Sensitivity (A/V) = 5e-5

— cb042\_002.bin  
● cb042\_005.bin



AC Current / 1e-5A

Potential / V

09502778.DEE300

Fig. 18

Fig. 18

# HUVECs on electrodes coated with 20% #1 T/- NWL peruvu

Oct. 6, 1999 14:26:57

Tech: ACV

File: cb042ba15

Init E (V) = 0

Final E (V) = 0.9

Incr E (V) = 0.008

Amplitude (V) = 0.025

Frequency (Hz) = 10

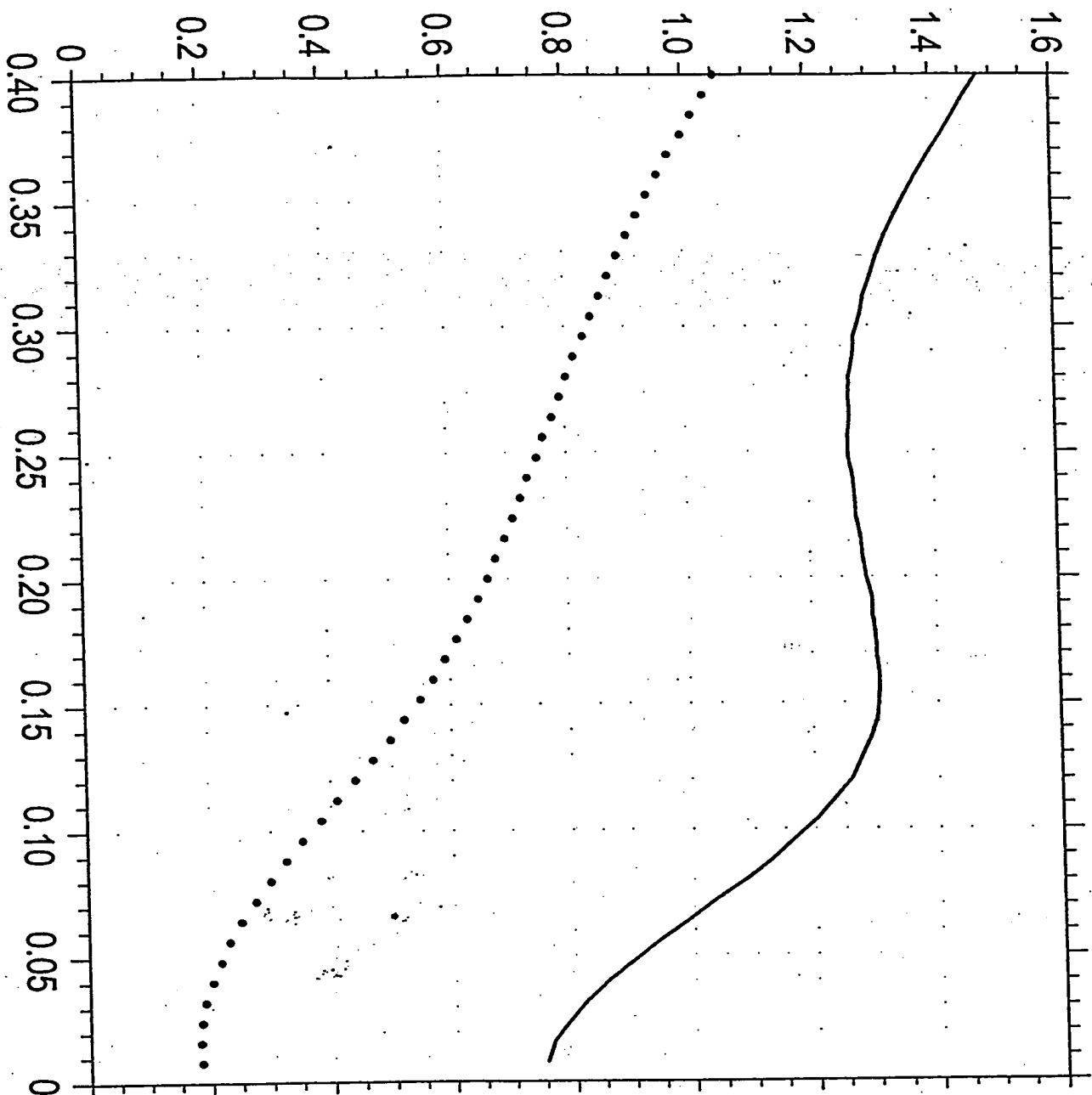
Sample Period (s) = 1

Quiet Time (s) = 2

Sensitivity (A/V) = 5e-5

— cb042ba15

● cb042b16.bin



Potential/V

0350277B 052300

Fig. 19

Fig. 3

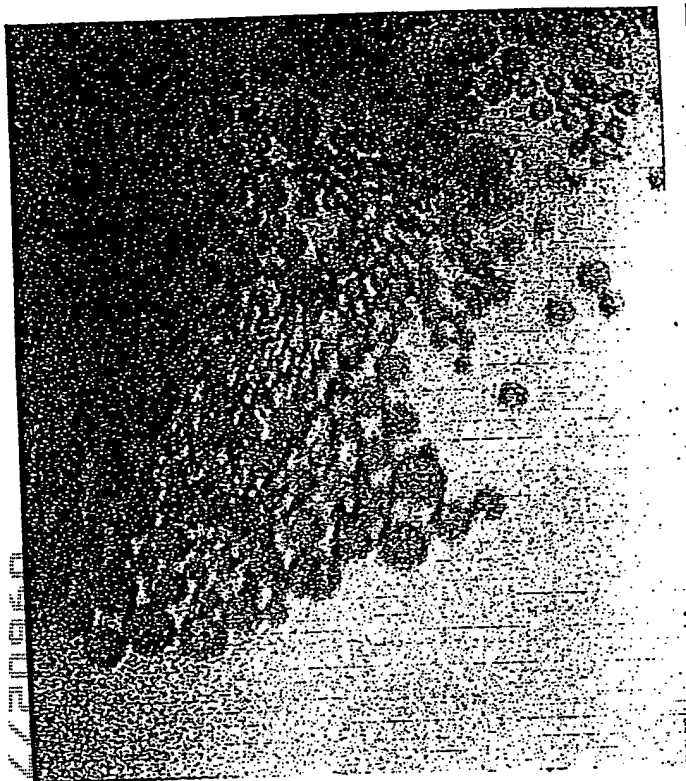


Fig 20

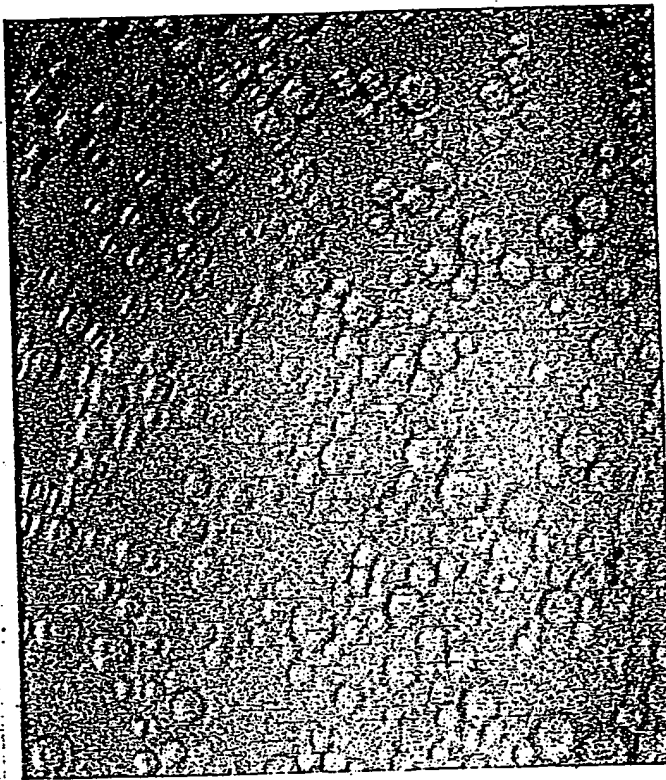


Fig 21

003290" B 200277 8-062300

0	0	0
25	34	8
50	12	57
65	107	98
80	220	194

Fig 4

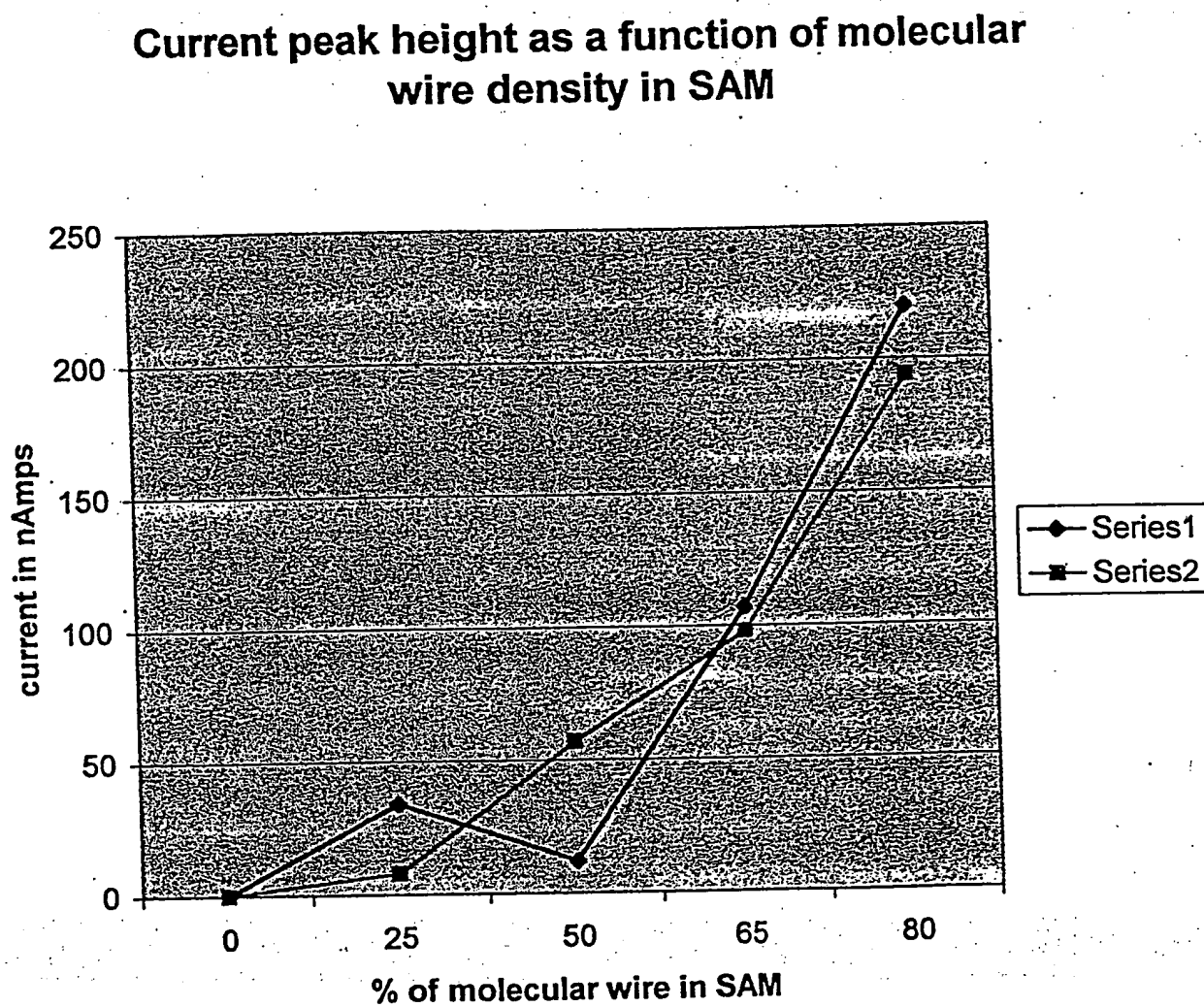


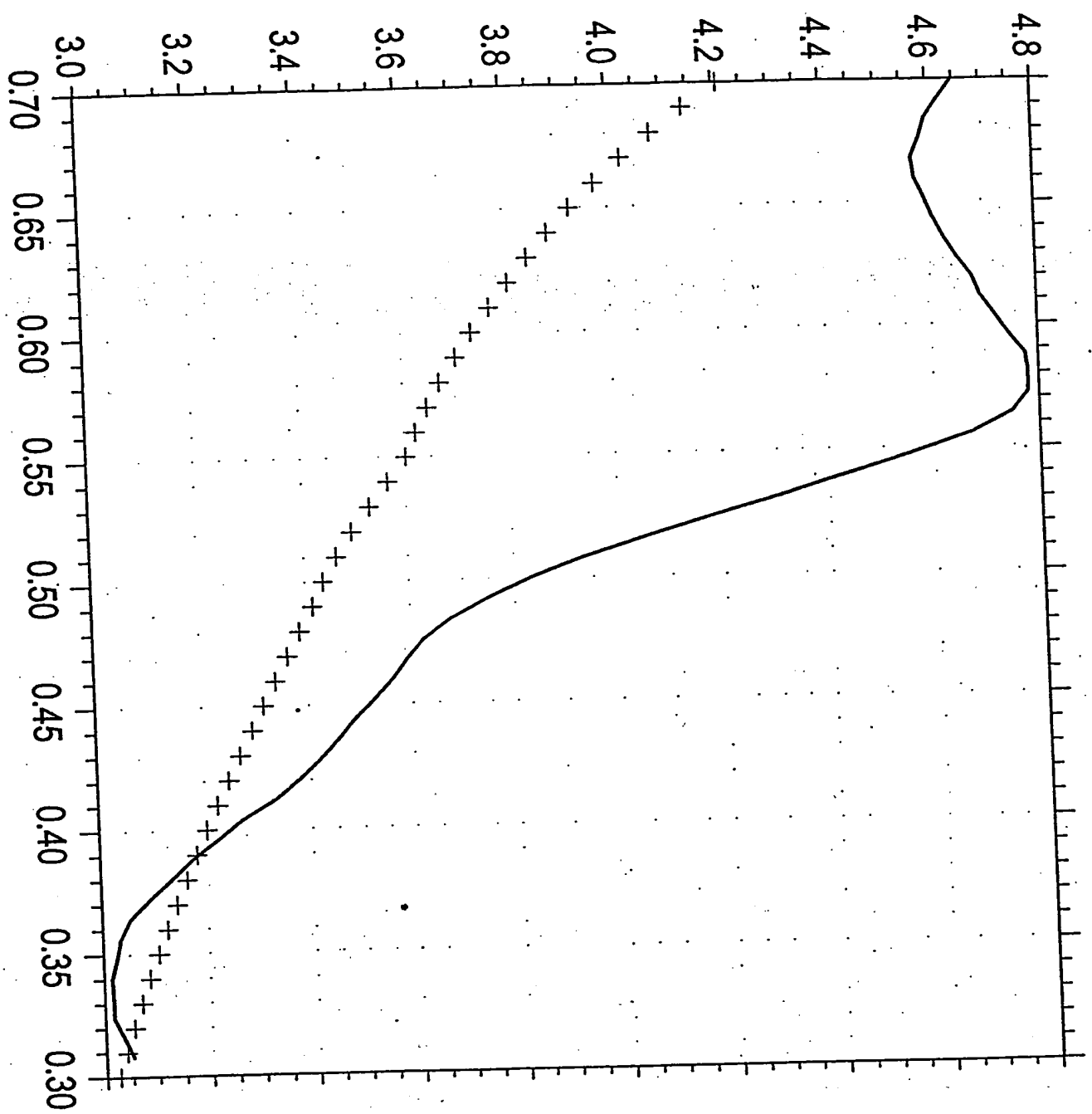
Fig. 22

Sept. 30, 1999 17:16:37

Tech: ACV

File: cb040\_019.bin

Init E (V) = 0.3  
Final E (V) = 0.7  
Incr E (V) = 0.008  
Amplitude (V) = 0.025  
Frequency (Hz) = 10  
Sample Period (s) = 1  
Quiet Time (s) = 2  
Sensitivity (A/V) = 1e-4  
— cb040\_019.bin  
+ cb040\_001.bin



AC Current / 1e-6A

Potential / V

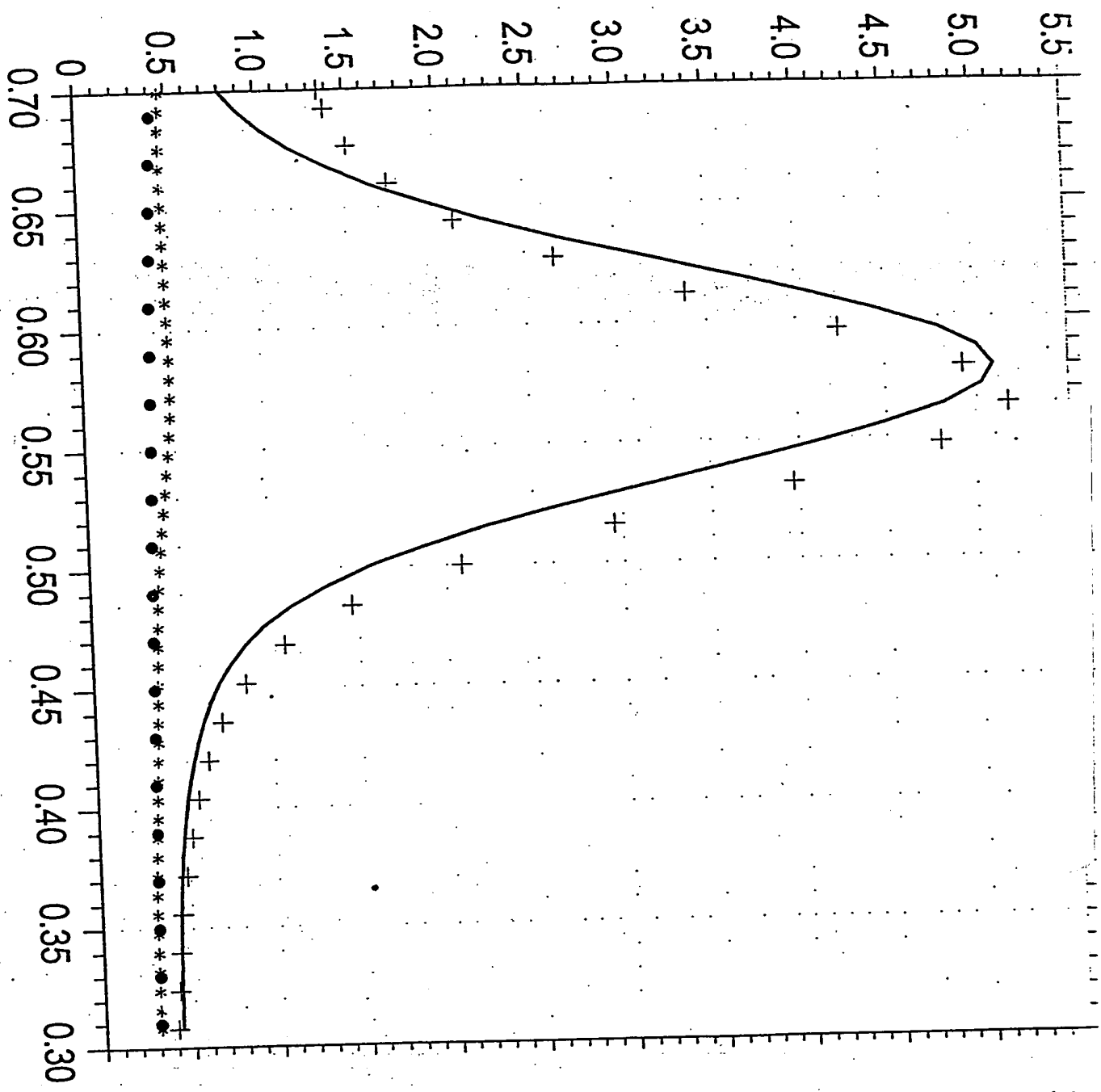
09602778.052300

File: 23

11/5/99

Init E (V) = 0.3  
Final E (V) = 0.7  
Incr E (V) = 0.008  
Amplitude (V) = 0.025  
Frequency (Hz) = 10  
Sample Period (s) = 1  
Quiet Time (s) = 2  
Sensitivity (A/V) = 1e-4

- cb040\_006.bin
- + cb040\_011.bin
- \* cb040\_019.bin
- cb040\_001.bin



Potential / V

0960273.DEEED

Fig. 24

Fig 6a

Jan. 11, 2000 12:38:39

Tech: ACV

File: sb062\_007bb

Init E (V) = 0.1

Final E (V) = 0.7

Incr E (V) = 0.008

Amplitude (V) = 0.025

Frequency (Hz) = 10

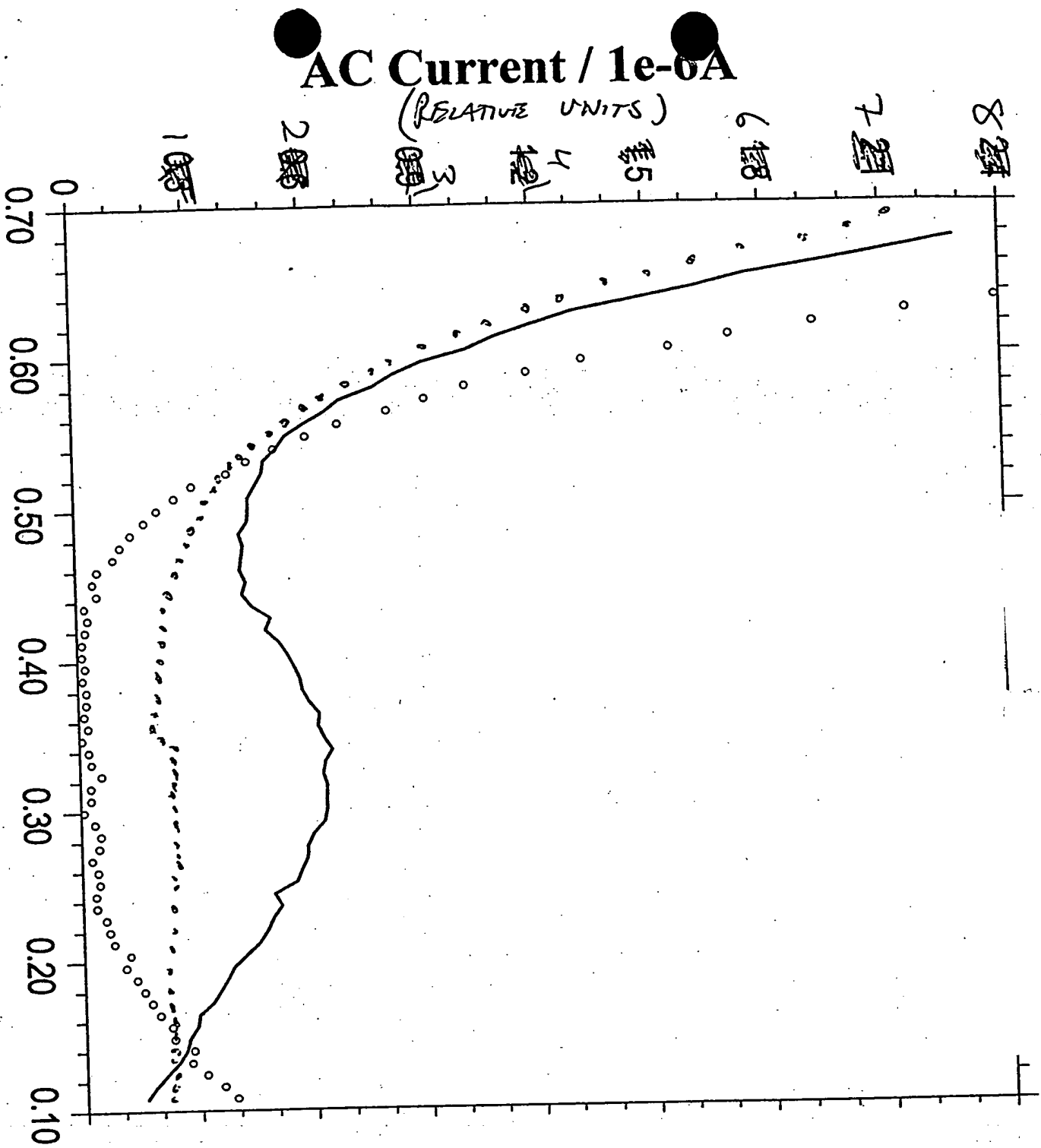
Sample Period (s) = 1

Quiet Time (s) = 2

Sensitivity (A/V) = 5e-4

— sb062\_007bb

○ sb062\_012bb.bin



Potential / V

0960277B.D5E3DD

Fig. 25



Nov. 24, 1999 11:23:34

Tech: ACV

File: negconbb.bin

Init E (V) = 0

Final E (V) = 0.8

Incr E (V) = 0.008

Amplitude (V) = 0.025

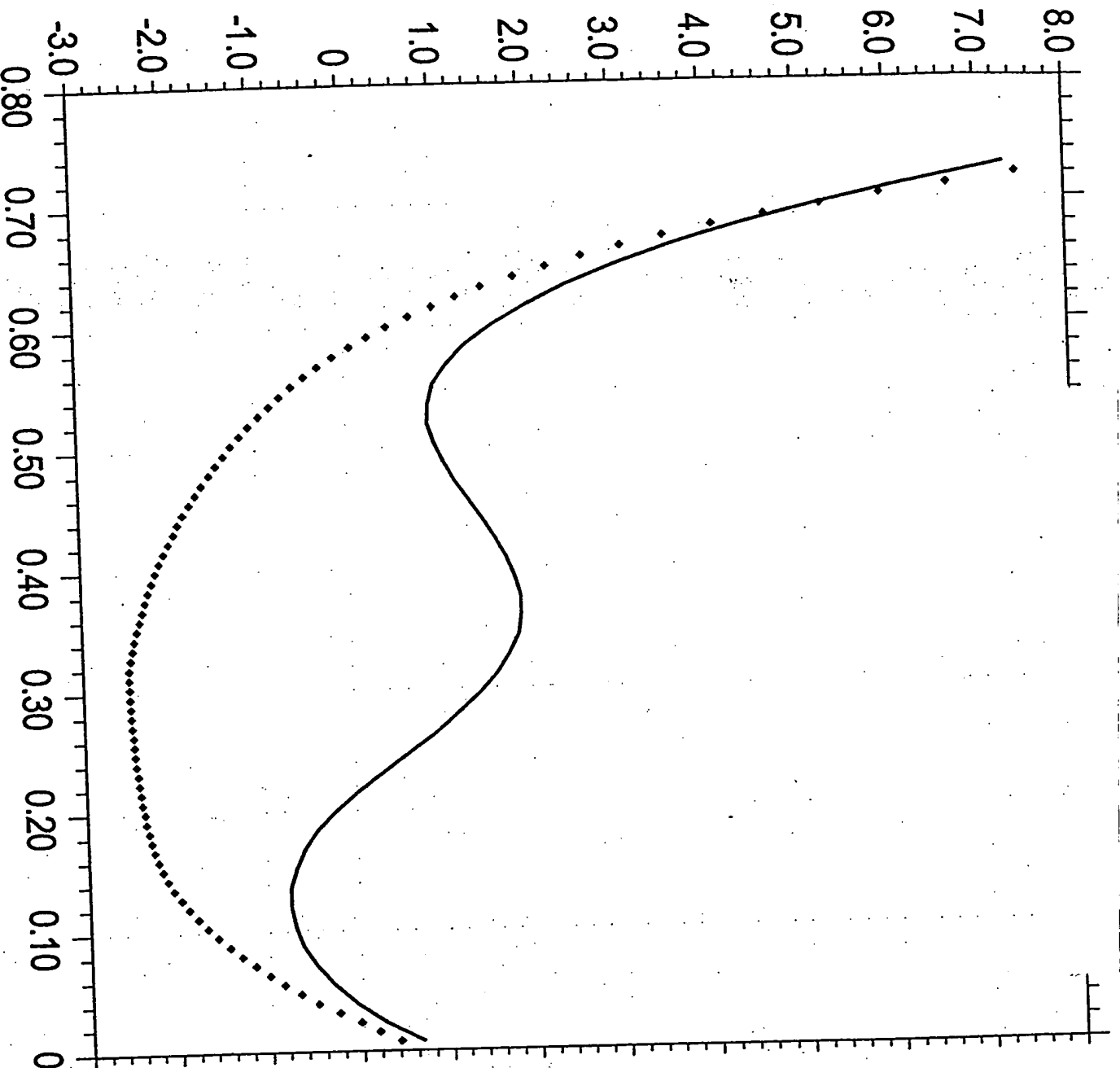
Frequency (Hz) = 10

Sample Period (s) = 1

Quiet Time (s) = 2

Sensitivity (A/V) = 1e-5

◆ negconbb.bin  
— posconb.bin



Potential / V

0950278 052300

Fig. 26

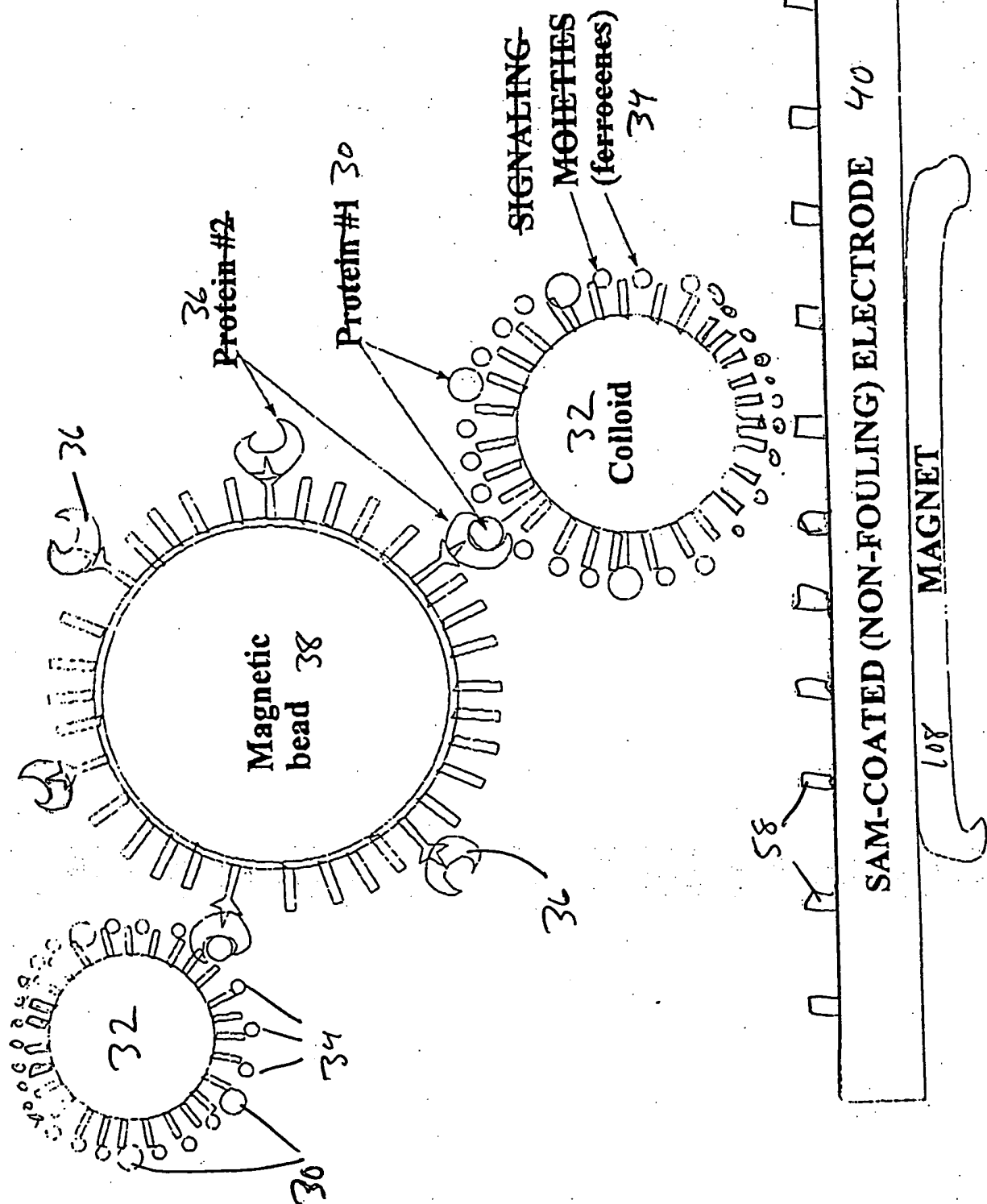


Fig. 27

Sept. 2, 1999 20:20:54

Tech: ACV

File: cb027\_009.bin

Init E (V) = 0.18

Final E (V) = 0.58

Incr E (V) = 0.008

Amplitude (V) = 0.025

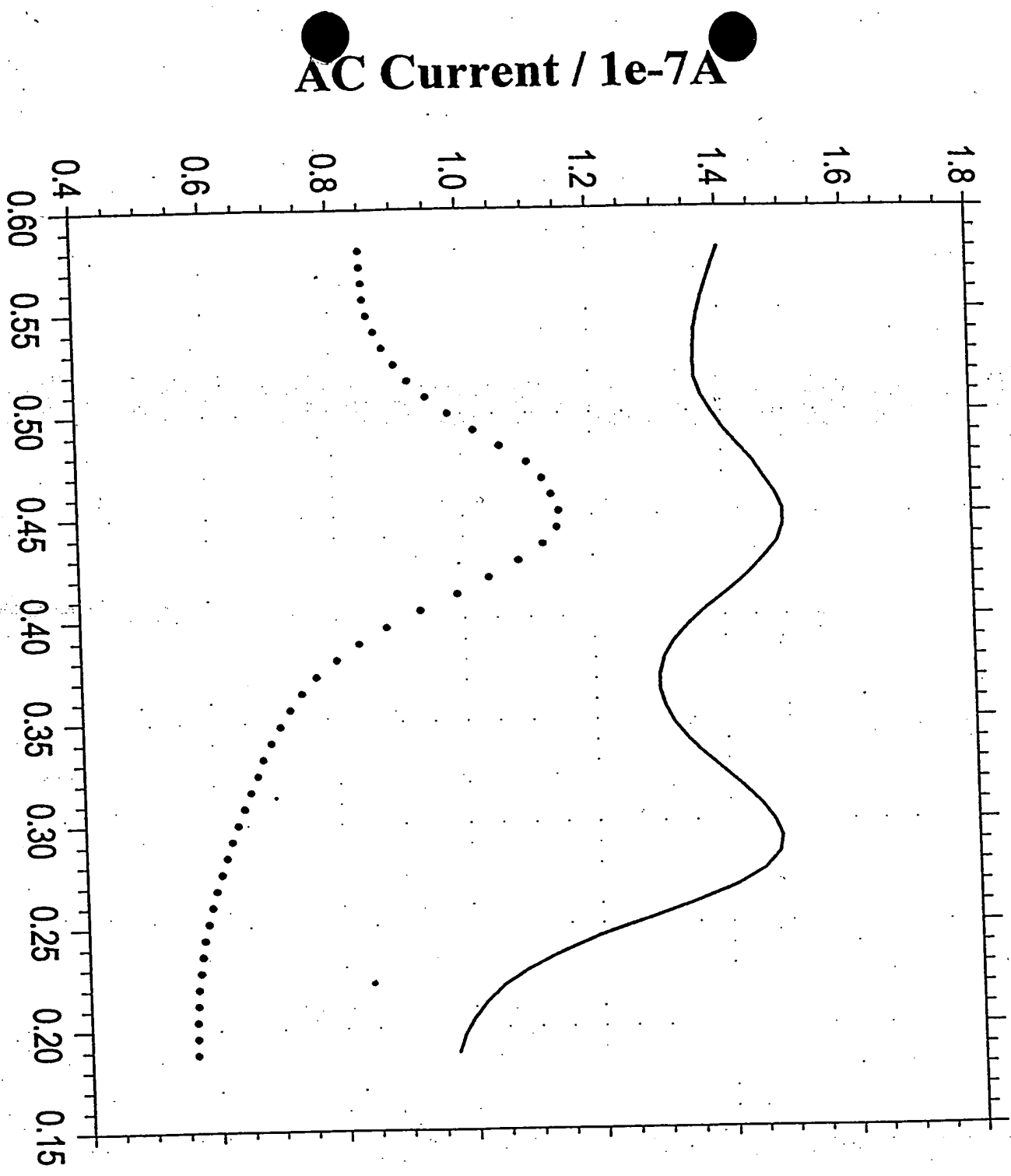
Frequency (Hz) = 10

Sample Period (s) = 1

Quiet Time (s) = 2

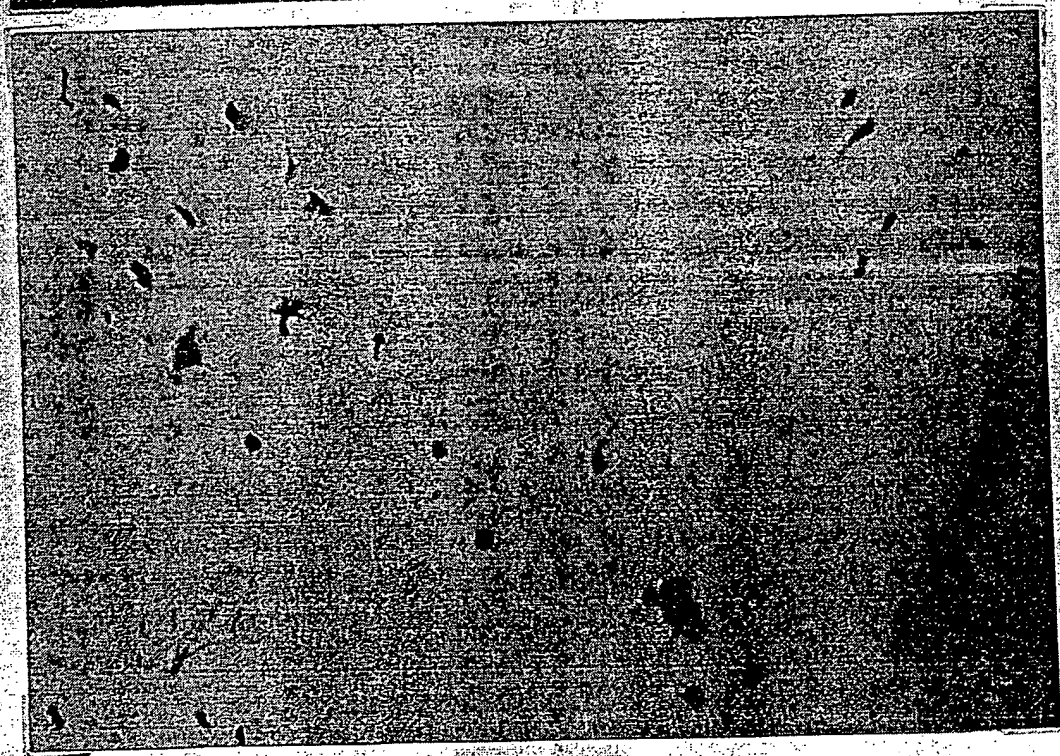
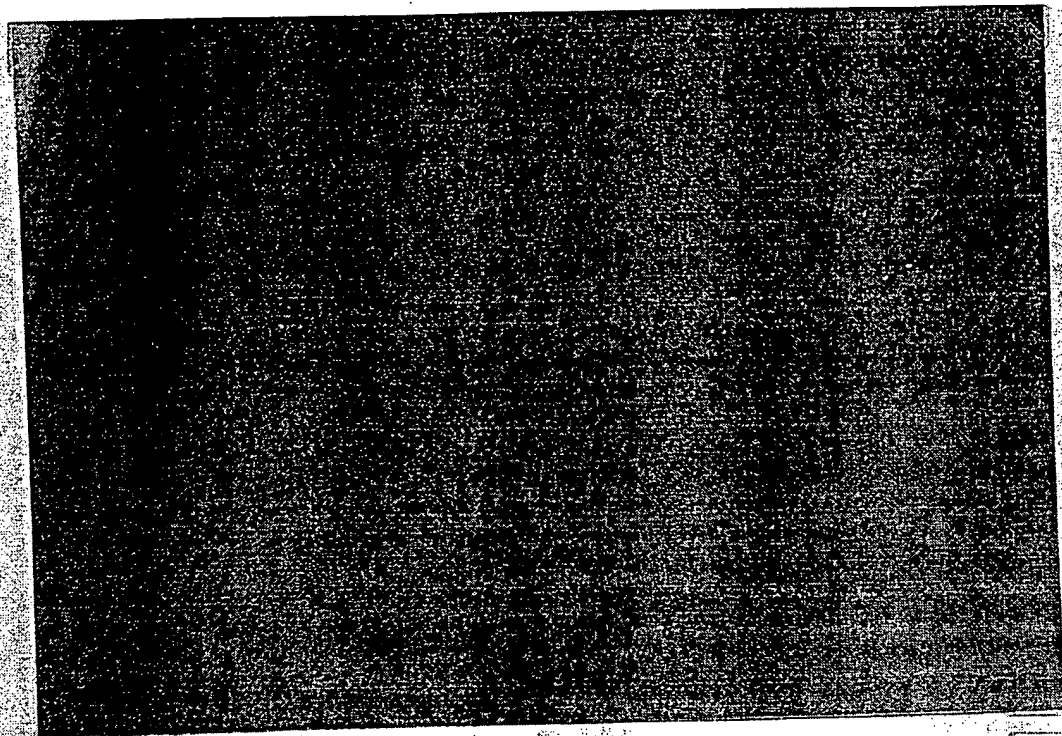
Sensitivity (A/V) = 2e-6

● cb027\_009.bin  
— cb027\_013.bin



AC Current / 1e-7A

Potential/V  
Fig. 28



16.29A

0960278 0623000

16.29B

006290" 8/20960

Fig 30A

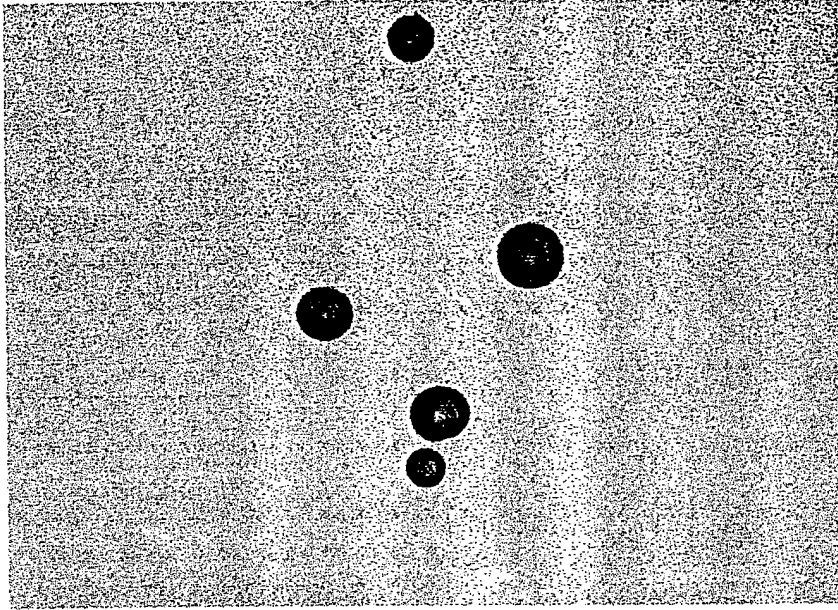
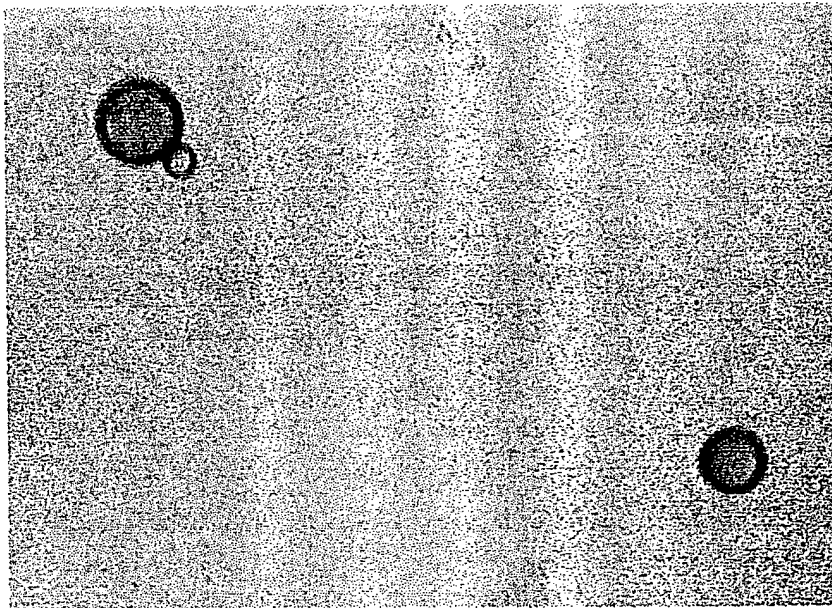
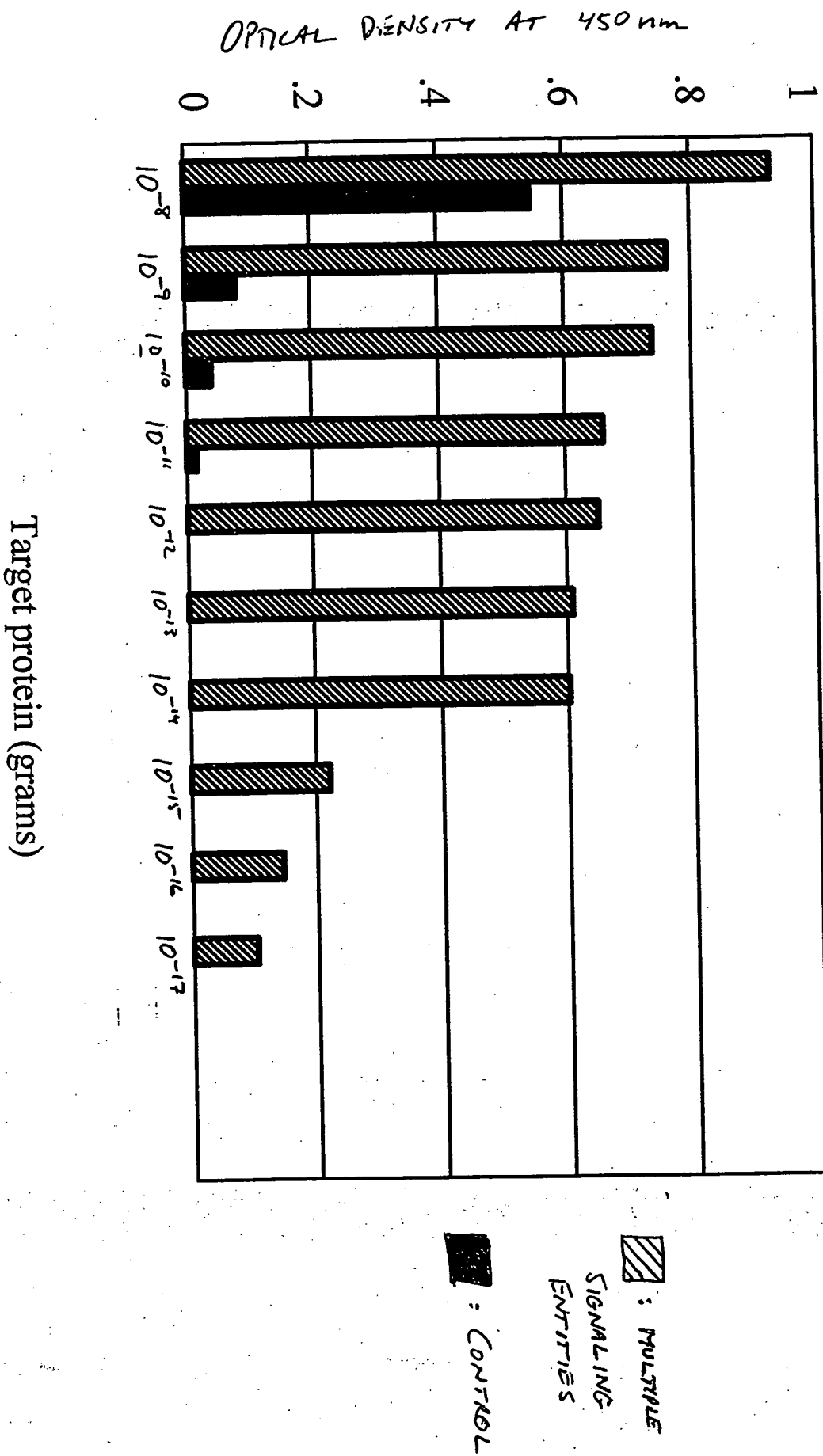


Fig 30B

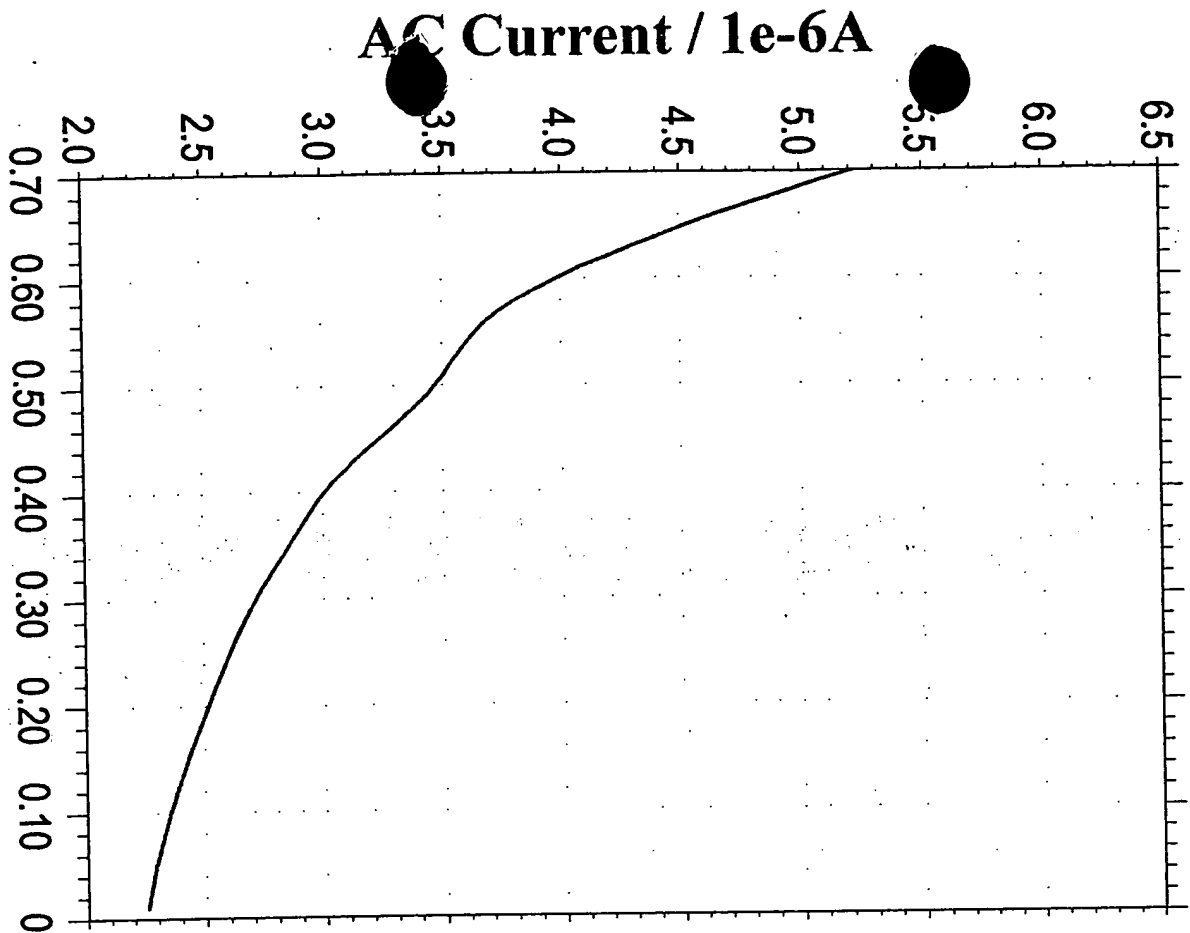


# *Colloid Modified ELISA Yields a Million-Fold Increase in Sensitivity*

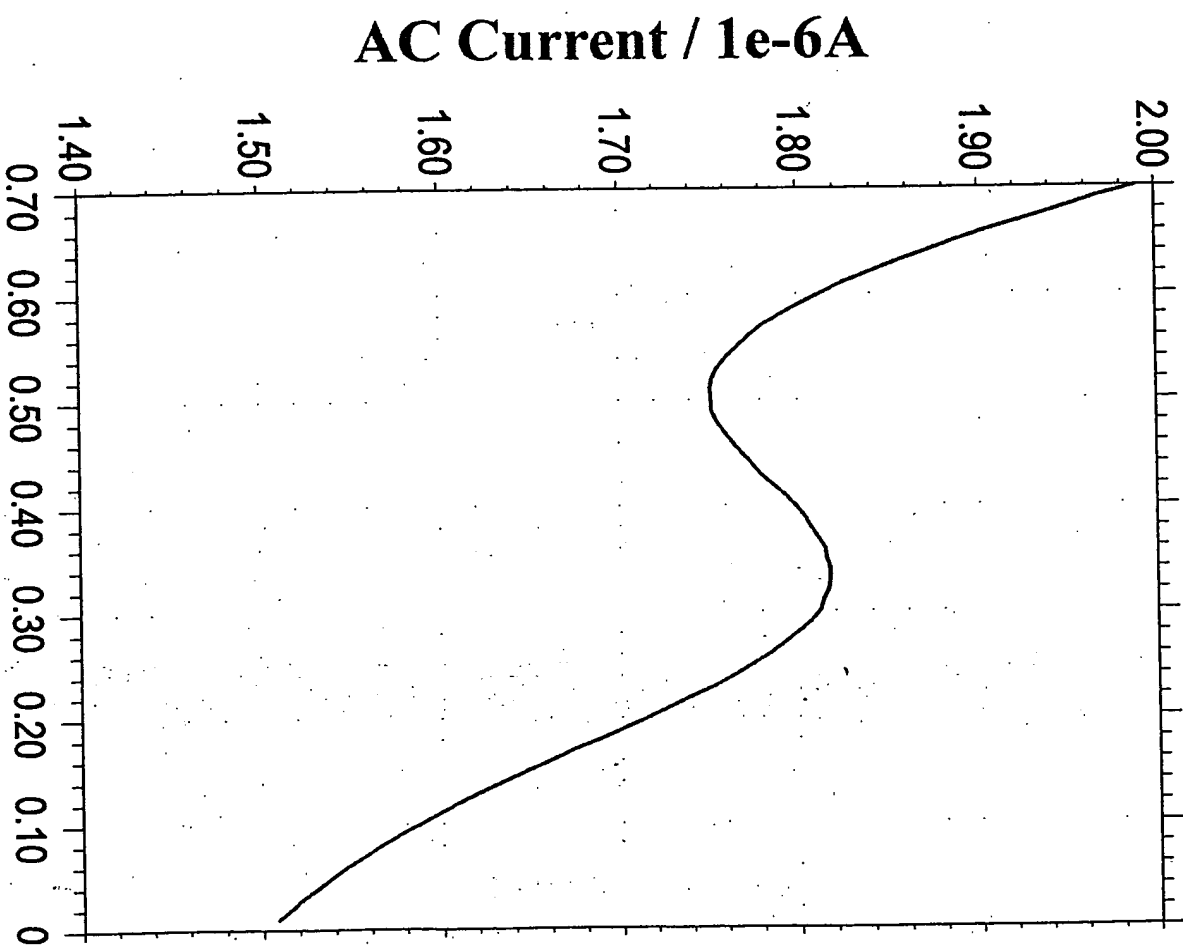


25% WIT-CHIP WITH GS1-COLUMNS

unbound colloids in solution.bin



bound to glutathione beads.bin



Potential / V

09602778.DES300

Potential / V

1.1 3.3